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# Great Lakes Water Quality Forum – Most Comprehensive Schedule Ever

## Opening Ceremony and Evening Kick-off Reception

Join the IJC Commissioners for the official kick-off of the 1999 Great Lakes Water Quality Forum. A Native American Drumming Ceremony is the prelude to remarks from the Commissioners followed by invited distinguished speakers.



## A Great Lakes Gathering

Come one, come all to this evening kick-off reception. After the opening ceremony, come and visit with old friends and acquaintances from across the Great Lakes Basin and meet new ones who share your interests and concerns. Desserts, coffee and a cash bar will be provided in the Great Lakes Environmental Expo.

## Governments' Presentation on Progress to Accomplish the Goals and Objectives of the Great Lakes Water Quality Agreement

**David Ullrich**, Acting Regional Administrator, U.S. Environmental Protection Agency, Region 5; and **John Mills**, Regional Director General, Ontario Region, Environment Canada will lead the presentation on programs and progress on both the domestic and binational fronts under the Great Lakes Water Quality Agreement. A question and answer session will follow.



David Ullrich John Mills

## Great Lakes Environmental Expo!

Schedule time to browse more than 60,000 square feet of hands-on and educational exhibits providing information on environmental concerns within the Great Lakes system and what some organizations and industries are doing about it. Never before have so many diverse groups been given the opportunity to display at an event of this type to showcase specific projects and environmental technology. For information and booth applications, please call toll free 1-888-366-0357. Leave your name, address and phone number and registration materials will be sent to you. Business, civic and environmental groups, government and tribal agencies, trade associations and Great Lakes artists and others are encouraged to apply.

Check out the last page of the registration material or [www.ijc.org](http://www.ijc.org) for more exciting information.

## LaMPs & RAPs: Restoring Human and Ecosystem Health

This pre-forum symposium will explore the human health and other related benefits of preparing and implementing Remedial Action Plans and Lakewide Management Plans. The purpose is to enhance restoration and management initiatives as the key to achieving progress under the Agreement through integrating information on the effects of persistent toxic substances on human health with the data on sources and the technology for cleanup and considering the benefits of Agreement implementation.

This is a pre-Forum symposium and requires a \$20 registration fee. Please see the registration form on page 7. Lunch is included.



CFGLASS

## Binational Program to Restore and Protect Lake Superior – Progress towards Zero Discharge

This session focuses on achieving the Great Lakes Water Quality Agreement's call for virtual elimination by having Lake Superior as a demonstration zone for zero discharge. It will allow U.S. EPA, Environment Canada, Michigan, Minnesota, Ontario, Wisconsin and their partners in the First Nations and tribes, industry, municipalities, citizens and environmental groups to showcase positive results in terms of reduction, use elimination, prevention and partnerships. Participants can provide advice, insight and perspective about the Binational Program for the benefit of all and ensure that the Binational Program continues to make progress. Information from this session will be used by the IJC in preparation of its 10<sup>th</sup> Biennial Report.



R. Bellan

## Progress under the Great Lakes Binational Toxics Strategy

The Great Lakes Binational Toxics Strategy was signed by Canada and the U.S. on April 7, 1997. A panel presentation will describe the Strategy and showcase positive results over the past 2½ years by Environment Canada, U.S. EPA, and their partners in terms of reduction, use elimination, prevention and partnerships. Facilitated discussion will ask for your advice and insight to identify additional opportunities to meet the Strategy's challenges and targets, develop advice to ensure that the Strategy remains on track, and provide perspective and advice to the IJC for use in preparing its 10<sup>th</sup> Biennial Report.

## Sediment Management for Beneficial Use Restoration

The Great Lakes Water Quality Board's Sediment Priority Action Committee will convene this session targeted at stakeholders, throughout the Great Lakes basin, who are working to further sediment remediation and management. The session explores the complexities surrounding sediment management, share decision-making tools, present examples of ecological and economic benefits, and provide an opportunity to make recommendations on overcoming obstacles to sediment management for beneficial use restoration. **Gail Krantzberg**, Ontario Ministry of the Environment, and **Kelly Burch**, Pennsylvania Department of Environmental Protection, will be presenting during the session.



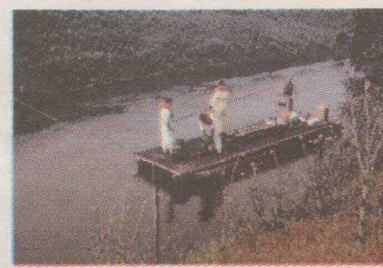
Gail Krantzberg Kelly Burch

## Moving Ahead with Indicators: Benefits, Challenges and Future Directions

In 1997, the IJC created an expert task force to investigate the feasibility of implementing a suite of environmental indicators to measure progress under the Agreement. The task force is preparing, in collaboration with SOLEC, to identify those desired outcomes and indicators, which are supported by adequate monitoring data, to be recommended for implementation. Discussion will focus on three key desired outcomes for the Great Lakes: swimmability, fishability and drinkability.

## Watershed Management at the Local Level

Annex 13 "Pollution From Non-Point Sources" in the Great Lakes Water Quality Agreement calls for the reduction of non-point pollution sources from land use activities in the Great Lakes system. The methods for achieving this goal call for developing and implementing total watershed management plans and changing land use patterns and land management practices in the basin. This workshop will provide the necessary tools and drive to move closer to this goal.



US EPA

## Great Lakes Water Levels

Over time, the water levels (elevations) of the Great Lakes vary considerably. High levels occur during periods of heavy precipitation and lows during droughts. The range of these variations has been limited somewhat in the 20<sup>th</sup> century by control works constructed in the St Marys River between Lakes Superior and Huron and in the St Lawrence River, the outlet for Lake Ontario.

While differences in water level affect navigation, hydropower generation, recreational boating and shoreline erosion, these variations also have significant impacts on the natural systems of the Great Lakes. This workshop, sponsored by the International Joint Commission and co-sponsored by the Great Lakes Fishery Commission and the Great Lakes Commission will address the influence of water levels on the sustainability of Great Lakes aquatic and terrestrial habitat and mitigation measures that can be undertaken to ameliorate any negative impacts.

## Overview of Toxics Programs at the Global and Continental Scales

This session will provide an overview of multinational programs and their progress towards the control of persistent toxics, at the North American and global levels. An outstanding panel of speakers will reflect a variety of perspectives on initiatives with important implications for the long-term success of Great Lakes programs. **Dr. Peter Orris**, Professor and Director of Research for the Great Lakes Center of Occupational and Environmental Safety and Health, University of Illinois School of Public Health, and Co-Chair of the IJC's Health Professionals Task Force, will lead this session with panelists **Dr. John Buccini** of Environment Canada, chair of the UN negotiations towards an international Legally Binding Instrument on controlling persistent organic pollutants (POPs); **Dr. Vyvyan Howard**, head of Research, Fetal and Infant Toxicology, University of Liverpool; and **Dr. Andrew Hamilton**, head of the Science Division for the Commission for Environmental Cooperation established under the North American Agreement on Environmental Cooperation among Canada, Mexico and the U.S. An industry perspective will also be provided.



Peter Orris

## Public Hearings on Progress Under the Great Lakes Water Quality Agreement

This is your opportunity to be heard by Commissioners and to speak before government representatives and your peers. Remarks will be limited to 3 minutes and will be heard on a first come first serve basis. Speakers are encouraged to submit written testimony in advance, along with a short summary that may be placed on the Internet.



## Great Lakes Advisory Board Public Meetings

The Great Lakes Science Advisory Board, Great Lakes Water Quality Board, Council of Great Lakes Research Managers and the International Air Quality Advisory Board will all be hosting public meetings and discussing their work and projects over the last two years. Each Board will distribute its own 1997-1999 Priorities and Progress under the Great Lakes Water Quality Agreement, discuss its recommendations to the IJC and answer questions from participants.

Continue checking the Internet at [www.ijc.org](http://www.ijc.org) for 1999 Biennial Forum program updates.



## A Great Lakes "Shipyard Shindig"

**Saturday 7-10 p.m.** A Saturday evening dinner is planned outside on the Lake Michigan water front at the Wisconsin Lake Schooner. The theme of the evening is Everything Great about the Great Lakes. The Wisconsin Lake Schooner is the first Tall Ship built in more than 100 years and will be used as an environmental steward to re-acquaint the community near and far with our most valuable natural resource, the Great Lakes. You will be transported to shore-side tents where you can partake in a dinner of fresh Lake Michigan fish or other various specialties. Relax and enjoy songs of the Great Lakes performed by local entertainers and tour the shipyard. **Dress casual and dress for the weather.**



*The dinner is open to all Biennial Forum participants at a cost of \$25.00. Tickets can be purchased in advance with registration found on page 7 of this material.*

## Extended Producer Responsibility

This session focuses on two takeback initiatives in Europe for cars and electronic products. These initiatives stipulate: 1) phaseout of a list of heavy metals and some halogenated materials; 2) achieving high material recycling rates without incineration; and 3) producer responsibility for the cost of waste management. Representatives from industry, government and ENGOs will explain in detail how the takeback programs will work. These will have direct repercussions on the North American car and electronic industry and demonstrate how a focus on products can achieve toxic use reduction in the Great Lakes.

## Agricultural and Urban Chemical Use: Recent Advances

Pesticides are in widespread use in the rural agricultural, suburban and urban environments. They are found on our foods, lawns and in our children's schools. Significant advances have been made to quantify, track and reduce their use. This session will explore and publicize a number of recent developments and give useful tips for parents, grounds keepers, and public officials.

## Mercury: New Approaches for an Old Chemical

Mercury has been used in a wide range of commercial, consumer, medical and other applications. Recognizing its detrimental impact on human and ecosystem health, a concerted effort has been mounted to create community awareness and to reduce or eliminate uses. This session focuses on a number of practical initiatives that can be transferred to your own community.

## Student Forum

Students from around the Great Lakes basin are invited to attend an interactive Student Congress offering the opportunity to learn about Great Lakes water quality issues and policies affecting the basin. Students can participate in a number of ways. Elementary and middle school students are invited to create a "Get to Know the Great Lakes" poster exhibit that describes the Great Lake closest to their home. The posters can focus on the lake's history, geography, cities, people, wildlife, plant life, art, culture or businesses. Middle and high school students are invited to create and give presentations regarding policies related to water quality on the following topics: Clean Technology, Exotic Species, Fisheries Decline, Lake Levels, Remedial Action Plans, Brownfields. Teachers and students can learn more about the sessions on the web at [www.ijc.org](http://www.ijc.org).



## Tours

Members of the planning committee from Milwaukee have arranged interesting, environmental and educational tours in and around the Milwaukee area.

Check out page 6 or [www.ijc.org](http://www.ijc.org) for more exciting information and sign up quickly before space runs out.



Lake Michigan Federation

## Communicating Science: Making Sense of the Great Lakes Ecosystem

Researchers, decision makers, the general public and members of the media will all benefit and add to this session focusing on identifying research and communication needs, priorities, and improving regional information dissemination. Participants will be exposed to new tools and opportunities for collaboration in developing messages and making them more widely understood by a variety of audiences. All participants supporting Great Lakes renewal will gain training in message development and dissemination.

## Meet Lake Michigan - Some Amazing Things are Going On!

Track the Lake Michigan sediment plume; follow the ups and downs of the perch population; learn the latest results of the Lake Michigan Mass Balance Study; and arrive at an understanding of how business and government can work together to reduce persistent toxic pollutants.



Robert DeJorge

## Fisheries Decline

This workshop will present overviews of the fishery decline in the Great Lakes, the research that is underway to identify the causes of the decline, and research that needs to be conducted to assist in identification of causes and management options available to address it, both before and after definitive research is conducted.



J. Gunderson

## Air Quality and the International Air Quality Advisory Board Public Meeting

During this session, both persistent toxic substances, such as dioxin, cadmium and mercury, and criteria pollutants, such as ozone and fine particulates, will be considered. Complementing material presented in 1997-1999 Priority Report, the Air Board will demonstrate linkages of selected persistent toxics from sources and source regions hundreds and thousands of miles away to deposition in the Great Lakes basin. The sources and effects of ozone and fine particulates on urban communities such as Milwaukee also will be examined.

## Closing Plenary Session

Please join the Commissioners for the conclusion of the 1999 Biennial Forum on Great Lakes Water Quality. A closing presentation is planned to moderate a thought provoking and entertaining conclusion to the 1999 Great Lakes Water Quality Forum. Tentatively scheduled, electronic polling will provide immediate tabulation and reporting of your opinions on Great Lakes environmental issues.

The IJC Commissioners will detail their schedule and procedure to conclude their biennial review of progress toward fulfilling the promise of the Great Lakes Water Quality Agreement, culminating in specific advice to governments in their 10<sup>th</sup> Biennial Report on Great Lakes Water Quality. In addition, Commissioners will provide a look at how the Commission and the Great Lakes community can more effectively deal with environmental issues as we enter the 21<sup>st</sup> century and provide insight on recent references received from the Canadian and U.S. governments including water exports from the Great Lakes basin.

## Exotics Policy

The focus of this pre-forum workshop will be on the development of policies and institutional structures for dealing with the invasion of exotic species. While other forums have discussed the marine biology and ecosystem effects of invasions, or the marine engineering and industrial technology of prevention and control measures, this day-long workshop will focus on the politics and law of the problem. Academic analysts from fields of political science, law, economics, sociology and history will contribute their thoughts along with senior policy advisers, program managers, industry representatives and sport fishing representatives to explore the options presented.

*Although this special session is by invitation only, participants will be providing a public session on Sunday morning regarding the outcome of this workshop.*

## Municipal Caucus - Land Management: a Tool to Protect the Great Lakes

The session gives city and county officials a chance to meet with like-minded peers from across the region. The growth of urban and suburban areas is leading to an increase in impervious surfaces and a related slowing of reversal of water quality in local streams and rivers as well as the Great Lakes. Officials are invited to come interact, discuss and brainstorm issues related to sprawl and water resource management. The goal is to arrive at solutions that optimize development and preservation in order to maintain the character of communities while protecting habitat and water quality and reducing the threat of floods.



David Rieck

*Although this special session is by invitation only, participating municipal and county officials will be providing a public presentation regarding the outcome of their session on Saturday morning.*

Continue checking the Internet at [www.ijc.org](http://www.ijc.org) for 1999 Biennial Forum program updates.



# IJC 1999 Great Lakes Water Quality Forum SCHEDULE

ACTIVITY	THURSDAY	FRIDAY			
	8:30 a.m. ~ 5 p.m.	8:30~11:30 a.m.	12:30~4 p.m.	4~5:30 p.m.	7~9:30 p.m.
PUBLIC FORUM					Opening Ceremony and Evening Kick-Off Reception
EXHIBIT			GREAT LAKES		

WORKSHOPS AND SESSIONS	LaMPs & RAPs: Restoring Human and Ecosystem Health	Watershed Management at the Local Level		Great Lakes Water Quality Board Public Meeting
	Exotics Policy	Municipal Caucus -- Land Management: a Tool to Protect the Great Lakes	Great Lakes Science Advisory Board Public Meeting	
		Moving Ahead with Indicators: Benefits, Challenges and Future Directions	Overview of Toxics Programs at the Global and Continental Scales	Council of Great Lakes Research Managers Public Meeting
		Great Lakes Water Levels	Agricultural, Suburban & Urban Pesticide Use: Recent Advances	
		Progress under the Great Lakes Binational Toxics Strategy	Sediment Management for Beneficial Use Restoration	

## STUDENT FORUM

*Activities are planned throughout the Forum. See page*

TOURS	THURSDAY	FRIDAY	
	<ul style="list-style-type: none"> <li>Fischer Creek and Saxon Homestead Farm 10 a.m.~5 p.m.</li> <li>Cedarburg Bog and Riveredge Nature Center 11 a.m. ~5 p.m.</li> </ul>	<ul style="list-style-type: none"> <li>Boat Tour on the <i>Pelagos</i> 9 a.m.~12 p.m.</li> <li>Advanced Canoe Trip 9:30 a.m.~ 1:30 p.m.</li> </ul>	<ul style="list-style-type: none"> <li>Linnwood Drinking Water Treatment Plant 2~4 p.m.</li> <li>Lincoln Creek and Havenwoods State Park 1~4 p.m.</li> <li>Wisconsin Lake Schooner</li> <li>Bike the Milwaukee River 2~4 p.m.</li> <li>Great Lakes WATER Institute</li> <li>Boat Tour on the <i>W.G. Jackson</i> 1, 3, and 5 p.m.</li> </ul>

## Local Planning Committee Participating Organizations

Carlson, Crivello, Mentkowski & Steeves  
Citizens for a Better Environment  
City of Milwaukee Health Department  
Council of Michigan Foundations/Great Lakes  
Community Foundation Environmental Collaborative  
Education Design Link  
Endometriosis Association  
Friends of Menomonee River

Forest County Potawatomi Community  
Greater Milwaukee Convention & Visitors Bureau  
Great Lakes Futures  
Great Lakes United  
Havenwoods Environmental Center  
Illinois Environmental Protection Agency  
Keep Greater Milwaukee Beautiful  
Lake Michigan Federation

Lake Michigan Forum  
Lakeshore Fisherman's Club  
Milwaukee Community Sailing Center  
Milwaukee County/Port of Milwaukee  
Milwaukee Metropolitan Sewerage District  
Milwaukee Foundation  
Milwaukee Public Museum  
Milwaukee Yacht Club



**SCHEDULE OF ALL ACTIVITIES THURSDAY, SEPTEMBER 23 THROUGH SUNDAY, SEPTEMBER 26, 1999**

SATURDAY			SUNDAY	
8:30 a.m.~12:30 p.m.	1:30~5:30 p.m.	7~10 p.m.	8:30~11 a.m.	11 a.m.~1 p.m.
<ul style="list-style-type: none"> <li>• Government Presentation with Public Q&amp;A</li> <li>• Report from Municipal Caucus</li> <li>• Board and Council Presentations</li> </ul>	Public Hearing	"Shipyard Shindig" at the Wisconsin Lake Schooner	Public Hearing	Closing Plenary Session
LAKES ENVIRONMENTAL EXPO				

	Air Quality and International Air Quality Advisory Board Public Meeting		Mercury: New Approaches for an Old Chemical	
	Binational Program to Restore and Protect Lake Superior -- Progress towards Zero Discharge		Fisheries Decline	
	Meet Lake Michigan -- Some Amazing Things are Going On!		Exotics Policy -- Report to the Public	
	Extended Producer Responsibility		Communicating Science: Making Sense of the Great Lakes Ecosystem	

page 3. Continue checking the Internet for more details.

	SATURDAY	SUNDAY	
	<ul style="list-style-type: none"> <li>• Menomonee Valley 1~5:30 p.m.</li> <li>• Linnwood Drinking Water Treatment Plant 2~4 p.m.</li> <li>• Bike Lake Michigan 2~4 p.m.</li> <li>• Boat Tour on the W.G. Jackson 1 and 3 p.m.</li> </ul>	<ul style="list-style-type: none"> <li>• Beginner's Canoe Trip 9:30 ~11:30 a.m.</li> <li>• Boat Tour on the W.G. Jackson 9 and 11 a.m.</li> </ul>	
<ul style="list-style-type: none"> <li>• Early Morning Walks Friday, Saturday and Sunday 6:30~7:30 a.m.</li> </ul>			Dockside Boat Tours <ul style="list-style-type: none"> <li>• Neeskay</li> <li>• Lake Guardian</li> <li>• Mudpuppy</li> <li>• Canadian Vessel</li> </ul>

Oneida Nation Ozaukee Washington Land Trust Potawatomi Bingo and Casino River Revitalization Council River Revitalization Foundation, Inc. Riverside Urban Educational Center Schlitz Audubon Center Sierra Club	Sixteenth Street Community Health Center South Shore Yacht Club Spirit of Milwaukee Sustainable Racine University of Wisconsin Center for Continuing Education Outreach University of Wisconsin Center for Great Lakes Studies University of Wisconsin Sea Grant Institute University of Wisconsin System/UWM Great Lakes WATER Institute	Wisconsin Department of Natural Resources Wisconsin Electric Power Company Wisconsin Environmental Initiative Wisconsin Lake Schooner Education Association Wisconsin State Senator Brian Burke
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## TOURS

### Scheduled Tours

Tours and discussions with local citizens about programs and areas involving water quality and environmental enhancement throughout the region are planned. These programs require pre-registration and a \$20 (U.S.) fee, unless otherwise indicated, to cover the cost of transportation and other expenses as listed. Please check the appropriate box on the registration form to sign up for various tour programs.

All tours will begin and end in front of the Midwest Express Center, on 4th St.

#### Cedarburg Bog and Riveredge Nature Center

Thurs. 11 a.m. - 5 p.m.

The Riveredge Nature Center is located on 350-acre sanctuary, 30 miles north of Milwaukee on the banks of the Milwaukee River and has a diversity of habitats to explore. Join Andy Larson, former executive director of Riveredge; Jim Reinartz, director of the Cedarburg Bog, University of Wisconsin Field Station; and Don Reed, chief biologist of the Southeast Wisconsin Regional Planning Commission for a walking tour and history of the center and its unique environmental design.

After Riveredge you will join these leading experts on Wisconsin wetlands on a walking tour of one of the most outstanding natural features of southeast Wisconsin, the Cedarburg Bog. This tour will be both entertaining and educational. Please come dressed appropriately to get slightly wet and muddy. A box lunch will be provided. **Limited to 46 people.**

#### Fischer Creek and Saxon Homestead Farm

Thurs. 10 a.m. - 5 p.m.

The Fischer Creek Conservation Area is a 125-acre near-shore terrestrial complex of semi-wild habitats, dunes, wetlands, a Class I trout stream and over one mile of Lake Michigan shoreline. A coalition of private and public groups worked together to secure and purchase the site, which represents the nucleus of a proposed 1,500-acre conservancy area. The fight to preserve the area has been documented in over 100 newspaper articles and four television documentaries. The tour is co-sponsored by Manitowoc County Planning and Parks and the Fischer Creek Alliance of the Sheboygan Area Land Conservancy.

The Saxon Homestead Farm demonstrates the positive environmental effects of rotational grazing practices for dairy-based agriculture. The Bison Farm illustrates free-range techniques. Rolf Johnson of the Milwaukee Public Museum will be your tour guide. This tour is associated with information presented during Friday's "Local Watershed Management" session. Lunch is included and will be a Bratwurst Fry on the lake bluff. Come dressed for hiking. **Limited to 46 people.**

#### Lincoln Creek and Havenwoods State Park

Fri. 1 - 4 p.m.

Lincoln Creek is a completely urbanized river system where nearly all the tributaries to the creek are storm sewers. Flooding and drainage problems have occurred with regularity in the surrounding neighborhoods. Because of this, the Milwaukee Metropolitan Sewerage District (MMSD) has planned and implemented a major restoration project. This includes restoration of natural stream channels, deepening and widening of existing channels, restoration of aquatic habitat, construction of detention ponds and construction of a wetland at Havenwoods State Park. Havenwoods State Forest contains 237 acres of fields and woods.

Join Jim Ibach, project director and project engineer for MMSD, for an educational visit to the Havenwoods Environmental Awareness Center and a tour of this important restoration project. A box lunch will be provided. **Limited to 35 people.**

#### Linnwood Drinking Water Treatment Plant

Fri. and Sat. 2-4 p.m.

Tour Milwaukee's state-of-the-art Linnwood drinking water treatment plant. The plant processes 275 million gallons of water each day. The plant is located on 24-acres of Lake Michigan waterfront property. If the fall colors are right, the view is spectacular. The plant was recently retrofitted with an ozone disinfection process making it the largest ozone retrofit for a drinking water treatment plant in the country. **There is no fee associated with this tour. Limited to 40 people per tour.**

#### Menomonee Valley Sat. 1 - 5:30 p.m.

The Menomonee River is one of three rivers that form the Milwaukee River estuary. Along its 26-mile course, it flows past rural, suburban and urban parkways and older heavily industrialized landscapes. Significant rainfall events occurred in 1997 and 1998 causing 100- and 150-year flows and widespread damage forcing neighboring communities to look at watershed and basin-wide solutions, such as stormwater runoff, land use conflicts, urban sprawl, restoration and redevelopment of blighted industrial areas, and broadened recreational facilities along the river.

Join Bob Boucher, riverkeeper and executive director of Friends of the Menomonee River, who will be your guide as you explore the Menomonee River from its rural source, through areas of recent commercial development, older residential and parkland areas and end in the heart of Milwaukee's industrial area. This tour is associated with information presented during Friday's "Local Watershed Management" session. A box lunch will be provided. **Limited to 46 people.**

#### Bike Trip of Milwaukee River Watershed Fri. 2 - 4 p.m.

Enjoy a bike tour on trails along the banks of the Milwaukee River. The journey will take you along the areas of recent restoration of natural stream channels and aquatic habitat. The trail is flat, easy and enjoyable. **Limited to 10 people each day. Bikes will be provided.**

#### Bike Trip of the Lake Michigan Waterfront Sat. 2 - 4 p.m.

Enjoy a bike tour on trails along the shore of Lake Michigan. The trail, which is flat, easy and enjoyable, provides great vistas of Lake Michigan and downtown Milwaukee while traveling primarily through park lands established early in Milwaukee County's history. **Limited to 10 people each day. Bikes will be provided.**

#### Canoe Trip of Milwaukee River Watershed

Fri. 9:30 a.m. - 1:30 p.m. and Sun. 9:30 - 11:30 a.m.

Join watershed and canoeing experts on a journey down the Milwaukee River on two different excursions. The beginners journey will take you through the heart of the city in areas of recent restoration of natural stream channels and aquatic habitat and includes a sit down lunch afterwards. The advanced trip includes a box lunch. **Trips may change based on registration, weather and water level. Limited to between 8-16 people each trip.**

Advanced (with Class I or II rapids) - Fri. 9:30 - 1:30 p.m.  
Beginners - Sun. 9:30 - 11:30 a.m.

**Tour Guides:** Kim Kosmitis, Riverwest Outdoor Excursions, and Ken Leinbach, Executive Director, Riverside Urban Environmental Center.

#### Early Morning Walks

Fri., Sat. & Sun. 6:30 - 7:30 a.m.

Here's a chance to get exercise while enjoying the lake, before your day of meetings begins. Meet at the Sunburst sculpture at the east end of the Wisconsin Avenue for an invigorating walk along Milwaukee's lakeshore led by knowledgeable local guides Maxine Appleby and Steve Skavroneck. **And it's free!**

The IJC and the local planning committee salute our "Partners in Progress" without whom this extensive program would not have been possible.

STEWARDS: Earth Tech  
Camp, Dresser & McKee  
CONTRIBUTORS: Midwest Express Airlines

To learn how your company can become a "Partner in Progress" contact Barb Candy  
ph. 414-963-1511, fx. 414-964-4989

#### University of Wisconsin Great Lakes WATER Institute

The University of Wisconsin Great Lakes WATER Institute is located on Milwaukee's inner harbor and is free and available to tour anytime on Friday between 12:30 - 5 p.m. Transportation provided by shuttle bus (see below). The Institute houses the Center for Great Lakes Studies, Aquaculture Institute, Aquatic Biomedical Research Center, Wisconsin Sea Grant, and other University programs aimed at service to the state of Wisconsin.

the Great Lakes region, the nation and the world. The Great Lakes WATER Institute is the only major aquatic research institution located on Lake Michigan and the largest U.S. institution of its kind in the Great Lakes region. The Institute is involved with interdisciplinary research activities that focus on complex physical, chemical and biological

processes in lakes and oceans. The Institute includes a state-of-the-art research laboratory and support facilities equipped for research in physical and chemical limnology, geology, geochemistry and geophysics, aquatic ecology, microbiology, molecular biology, fisheries biology and aquaculture. The R/V Neeskay, the Institute's 22-meter research vessel, will be available for dockside tours. It provides year-round access to the lakes with a fully functional research platform and floating laboratory.

### Smart Ships

The following boat tours are free of charge. Transportation will be provided by a shuttle bus, departing regularly from the Convention Center. Please meet the shuttle thirty minutes prior to tour departure time.

#### Boat Tour aboard the MMSD Research Vessel Pelagos

**Fri. 9 a.m. - 12 p.m.** Join staff from the Milwaukee Municipal Sewerage District (MMSD) for a tour of Milwaukee Harbor and the Lower Milwaukee and Menomonee rivers. Included during the tour is a description of the MMSD water quality monitoring program and demonstration of the water sampling equipment used to conduct water quality surveys on the local rivers and in Lake Michigan. **Limited to 16 people and free to attendees.**

#### Boat Tour aboard the Research Vessel W.G. Jackson

Grand Valley State University's W.G. Jackson offers one-hour tours of Milwaukee Harbor and Lake Michigan. **Limited to 30 people per tour at the following times: Friday - 1, 3, and 5 p.m.; Saturday - 1 and 3 p.m.; and Sunday - 9 and 11 a.m.**

#### Wisconsin Lake Schooner

The Wisconsin Lake Schooner Education Association was founded in 1991 to re-establish the rich historical, cultural and environmental bonds between the Milwaukee community and its most important natural resource, the Great Lakes. To accomplish this goal, Wisconsin Lake Schooner is constructing a traditional Great Lakes Schooner, which will be 137 feet in length with three 95-foot masts. Once completed, the Schooner will operate as a floating, traveling classroom and a focal point for awareness of the Great Lakes ecosystem. Come tour the Wisconsin Lake Schooner **anytime on Friday from 12:30 to 5 p.m.** and witness their magnificent ship and Milwaukee's rich maritime culture.



#### Dockside Tour of the R/V Neeskay

See the University of Wisconsin Great Lakes WATER Institute tour for more information.

#### Dockside Tour of a Canadian Research Vessel

Tentatively, the Canadian Coast Guard will be providing a research vessel to tour.

#### Dockside Tour of U.S. EPA's Research Vessels The Lake Guardian and Mudpuppy

Continue checking the Internet at [www.ijc.org](http://www.ijc.org) for 1999 Biennial Forum program updates.



## REGISTRATION

... as simple as 1-2-3

**Step 1:** Fill out the registration form and fax, **without a cover sheet**, to (414) 483-3810 or mail to: 1999 Biennial Forum, P.O. Box 510165, Milwaukee Wisconsin 53202. Or...

If you plan to go on a tour with an associated cost or sign up for preplanned meals, please mail your registration form with a check made out to **"Spirit of Milwaukee - Biennial Forum"**.

**Step 2:** Do you need a place to stay? Arrangements have been made at several hotels listed on this page. Contact the hotel of your choice and tell them that you are with the IJC's Biennial Forum to receive special Biennial Forum rates.

**Step 3:** Continue to check our web site at [www.ijc.org](http://www.ijc.org) for all the latest meeting information!

*Only those planning to go on a scheduled tour will receive a confirmation notice. Notices will be mailed out in early August.*

A registration fee is not charged for the 1999 Biennial Forum, but **REGISTRATION IS REQUIRED** by September 1, 1999 to ensure adequate space and materials are available. Those who pay for and reserve meal and tour tickets will receive them when they sign in at the meeting. Given the interest expressed for this meeting, we strongly suggest you register early.

### Air Travel

Midwest Express Airlines is a 1999 Biennial Forum Contributor and participating carrier for the 1999 Biennial Forum. Midwest Express will provide conference attendees traveling to and from Milwaukee for the conference, a 6% discount off any available published fare. A 10% discount is offered when reservations are made 60 days or more prior to travel. For Reservations, call Midwest Express at 1-800-452-2022 or contact your travel agent. When making reservations, please refer to convention file numbers C601.

Midwest Express Airlines has earned its reputation for providing "the best care in the air" by offering passenger's luxury service at competitive coach or discounted fares. Midwest Express features nonstop service to Milwaukee from major business destinations throughout the U.S. and Toronto.

### Hotel Information

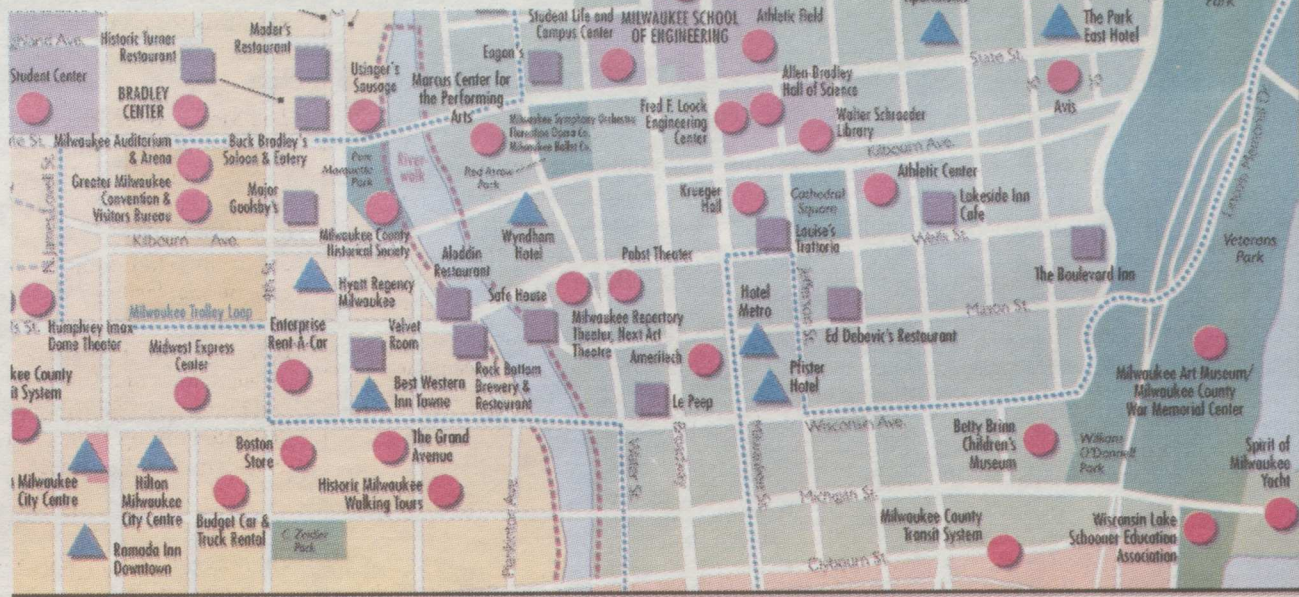
A variety of hotels in the Milwaukee area are holding blocks of rooms for meeting registrants at discounted rates. Please contact the hotel of your choice directly and identify yourself as a participant in the **International Joint Commission's 1999 Biennial Forum** to obtain the conference room rate, listed below in U.S. funds. Conference rates are available for reservations made by August 23, 1999.

- **Hyatt Regency Milwaukee**  
\$104 single, \$114 double;  
government employees will receive a government rate.  
333 W. Kilbourn Ave.  
1-800-633-7313 or 414-276-1234
- **Wyndham Milwaukee Center**  
\$139 single or double.  
139 E. Kilbourn Ave.  
1-800-WYNDHAM or  
414-276-8686
- **Best Western - Inn Towne**  
\$69 single or double.  
710 N. Old World Third St.  
1-800-523-1234 or 414-222-8400.
- **Holiday Inn - City Center**  
\$84 single or double.  
611 W. Wisconsin Ave.  
1-800-HOLIDAY or  
414-273-2950
- **Ramada Inn Downtown**  
\$67 single, \$73 double  
633 West Michigan St.  
1-800-2-RAMADA or  
414-272-8410

The registration form is also available on the Internet and downloadable.

TRIVIA: The IJC has held a biennial forum on Lake Michigan only one other time. What city was it in?

For additional hotel, travel and tourist information, camping, B&B's and daycare please contact the **Milwaukee Convention and Visitors Bureau** toll free at 1-800-554-1448 or its web site at [www.milwaukee.org](http://www.milwaukee.org).



The Midwest Express Center is located on the corner of N. 4th St. and W. Wisconsin Ave., downtown.

## Registration Form

Partners in Progress  
1999 Great Lakes Water Quality Forum

Name \_\_\_\_\_  
Agency/Organization (as applicable) \_\_\_\_\_  
Address \_\_\_\_\_  
City, State/Province \_\_\_\_\_  
Zip/Postal Code \_\_\_\_\_  
Telephone \_\_\_\_\_  
Fax \_\_\_\_\_ E-mail \_\_\_\_\_

### Meals

- ☐ I would like to purchase \_\_\_\_\_ ticket(s) to the **"Great Lakes Shipyard Shindig"** Saturday evening. (See page 3 for more details.)  
I have enclosed \$25 for each ticket.
- ☐ I would like to purchase \_\_\_\_\_ box lunch(s) on Friday. I have enclosed \$11.50 for each box lunch.  
☐ I desire the vegetarian selection.
- ☐ I would like to purchase \_\_\_\_\_ box lunch(s) on Saturday. I have enclosed \$11.50 for each box lunch.  
☐ I desire the vegetarian selection.

A concession stand will be open in the Great Lakes Environmental Expo from Friday through Sunday. Concession carts will be serving continental breakfast à la carte each morning from 7-11.

### Pre-Forum Workshop

- ☐ I am interested in attending **LaMPs & RAPs: Restoring Human and Ecosystem Health** workshop and have inclosed the \$20 registration fee. Lunch will be provided.  
☐ I desire the vegetarian lunch selection.

### Sessions

The workshop durations listed are approximate, please check the final program for official times.

- I am interested in attending the following concurrent sessions on **Friday**. (Please check only **one** in each group as initial response to estimate space requirements and materials for each session.)

#### Morning (check one)

- ☐ Watershed Management at the Local Level (part 1)  
8:30 a.m.-12:30 p.m.
- ☐ Great Lakes Water Levels 8:30 - 11:30 a.m.
- ☐ Moving Ahead with Indicators: Benefits, Challenges and Future Directions 8:30 - 11:30 a.m.
- ☐ Progress under the Great Lakes Binational Toxics Strategy  
9 - 11:30 a.m.

#### Early Afternoon (check one)

- ☐ Watershed Management at the Local Level (part 2) 1:30 - 5 p.m.
- ☐ Great Lakes Science Advisory Board Public Meeting 12:30 - 5:30 p.m.
- ☐ Overview of Toxics Programs at the Global and Continental Scales 12:30 - 4 p.m.
- ☐ Agricultural, Suburban and Urban Pesticide Use: Recent Advances 12:30 - 4 p.m.
- ☐ Sediment Management for Beneficial Use Restoration 12:30 - 4 p.m.

#### Late Afternoon (check one)

- ☐ Great Lakes Water Quality Board Public Meeting 4 - 5:30 p.m.
- ☐ Council of Great Lakes Research Managers Public Meeting 4 - 5:30 p.m.
- ☐ Great Lakes Science Advisory Board Public Meeting (Continued)

☐ Documents en français si disponibles

Return registration form by fax, without a cover sheet, to (414) 483-3810 or mail to P.O. Box 510165, Milwaukee, Wisconsin 53202.

If you plan to go on a tour with an associated cost or sign up for preplanned meals, please mail your registration form with a check made out to **"Spirit of Milwaukee - Biennial Forum"**.

ALL CHECKS TO BE MADE IN \$US FUNDS.

- I am interested in attending the following concurrent session on **Saturday**. (Please check only **one** as initial response to estimate space requirements and materials for each session.)  
☐ Air Quality and the International Air Quality Advisory Board Public Meeting 1:30 - 5 p.m.  
☐ Binational Program to Restore and Protect Lake Superior - Progress towards Zero Discharge 12:30 - 5:30 p.m.  
☐ Meet Lake Michigan 1:30 - 5:30 p.m.  
☐ Extended Producer Responsibility 1:30 - 5:30 p.m.
- I am interested in attending the following concurrent session on **Sunday**. (Please check only **one** as initial response to estimate space requirements and materials for each session.)  
☐ Communicating Science: Making Sense of the Great Lakes Ecosystem 8:30 - 11 a.m.  
☐ Mercury: New Approaches for an Old Chemical 8:30 - 11 a.m.  
☐ Fisheries Decline 8:30 - 11 a.m.  
☐ Exotics Policy - Report to the Public 8:30 - 11 a.m.

### Tours

I am registering for the following Local Community Tours. Because tours may fill up quickly, please place a number starting from 1 in front of your tours of interest. You will be placed in an available tour according to space and your interest.

A \$20 registration fee is required for each program unless otherwise indicated.

#### Thursday

- ☐ Cedarburg Bog and Riveredge Nature Center
- ☐ Fischer Creek and Saxon Homestead Farm

#### Friday

- ☐ Boat Tour on the R/V *Pelagos* - **Free!**
- ☐ Lincoln Creek and Havenwoods State Park
- ☐ Bike Trip of Milwaukee River Watershed
- ☐ Canoe Trip of Milwaukee River Watershed - Advanced
- ☐ Wisconsin Lake Schooner - **Free!**
- ☐ University of Wisconsin Great Lakes WATER Institute - **Free!**
- ☐ Linnwood Water Treatment Plant - **Free!**

#### Saturday

- ☐ Menomonee Valley
- ☐ Linnwood Water Treatment Plant - **Free!**
- ☐ Bike Trip of Lake Michigan Waterfront

#### Sunday

- ☐ Canoe Trip of Milwaukee River Watershed - Beginners  
Boat Tour on the R/V *W. G. Jackson* - **Free!** (Circle day and time)  
Friday 1 3 5 p.m. Saturday 1 3 p.m.  
Sunday 9 11 a.m.



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*Be a Part of North America's  
Premiere Environmental Event!*



Sept. 24~26, 1999  
MILWAUKEE, Wisconsin

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*The Great Lakes Environmental Expo was developed as a result of the overwhelming demand from the Great Lakes Community and its Stakeholders to showcase the many successful partnerships and projects during the International Joint Commission's 1999 Great Lakes Water Quality Forum.*

*An international collection of industry, government, and education will all be on hand to display the latest in technology, innovation, and research as it relates to water quality issues surrounding the Great Lakes.*

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**For an Exhibitor's Prospectus  
visit our website at [www.ijc.org](http://www.ijc.org)  
or call 1-888-366-0357**

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